

## ENERGY & FOOD WORDLIST

- 1- The interaction between communities in a given environment \_\_\_\_\_
- 2- An organism that can make its own food \_\_\_\_\_
- 3- An organism that can't make its own food \_\_\_\_\_
- 4- The ultimate source of energy for all living things \_\_\_\_\_
- 5- The process by which plants use energy from sunlight to make their own food  
\_\_\_\_\_
- 6- A feeding relationship in which each organism feeds on one type of food source  
\_\_\_\_\_
- 7- The interconnection of food chains in a complex feeding sequence \_\_\_\_\_
- 8- A model which shows the relationship between trophic levels and energy loss  
\_\_\_\_\_
- 9- An organism that feeds only on the flesh of animals \_\_\_\_\_
- 10- An organism that feeds only on plant matter \_\_\_\_\_
- 11- An organisms that breaks down dead plant and animal matter \_\_\_\_\_
- 12- An organism that feeds on both plants and animals \_\_\_\_\_
- 13- A toxic chemical that becomes more concentrated in animal tissues as you move higher  
up the food chain \_\_\_\_\_
- 14- A type of diet based on eating lower on the food chain for a variety of reasons  
\_\_\_\_\_
- 15- The type of proteins found in plants; they do not contain all of the essential amino acids  
required for building new proteins \_\_\_\_\_ (not in word search)
- 16- Part of a food molecule in which potential energy is stored chemical bonds
- 17- The amount of heat required to raise the temperature of 1 gram of water by 1 degree  
Celsius calorie

# ENERGY & FOOD

P H O T O S Y N T H E S I S D  
C B S D C G S C X V C T F S E  
X H U V X K O K E T A P S Y C  
N I E Z V N Q G C J Z R R B O  
U I Y M S M E T S Y S O C E M  
N K A U I T V D P E S D R W P  
V I M H A C I E R I E U Q D O  
T E P R C M A O R U R C Q O S  
R S I Y A D V L J O O E N O E  
Q A S R Q I O Z B S V R I F R  
N J Y G B M K O N O I I F T J  
J P K R E M F O F T N R N A J  
W P E S T I C I D E R D Y M M  
T H G I L N U S I H A B S G O  
C A L O R I E A Q F C M M A F

## Energy Flow

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Energy from the \_\_\_\_\_ is the major source for all living things.
2. The process of \_\_\_\_\_ traps it so it can be used by living organisms.
3. Plants are considered \_\_\_\_\_ since they carry out the process of photosynthesis. Since they make their own food they are also considered \_\_\_\_\_.
4. The producers are eaten by organisms called \_\_\_\_\_.
5. All of these organisms are considered \_\_\_\_\_ since they cannot produce their own food.
6. Organisms living off of dead and decaying material are called \_\_\_\_\_.
7. In food pyramids, the \_\_\_\_\_ level contains the most abundant amount of stored mass.
8. About \_\_\_\_\_ % of the total energy from one trophic level to another is transferred in a typical ecosystem.

Using the diagram below answer the following questions:

a). What are the top carnivores in this food web?

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b). What are the producers in this food web?

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c). If the rat population became extinct, what organism(s) would lose a food source?

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d). How many organisms depend on the Salmon as a food supply?

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e). List the primary consumers:

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f). List the secondary consumers:

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